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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/314,750	05/19/99	MURAKAMI	H 0941.63081

WM51/1101

PATRICK G BURNS
GREER BURNS & CRAIN
SUITE 8660 - SEARS TOWER
233 SOUTH WACKER DRIVE
CHICAGO IL 60606

EXAMINER

LESPERANCE, J

ART UNIT

PAPER NUMBER

2674

DATE MAILED: 11/01/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/314,750

Applicant(s)
Hiroshi Murakami

Examiner
Jean Lesperance

Group Art Unit
2674



- ☐ Responsive to communication(s) filed on _____
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

- ☒ Claim(s) 1-11 is/are pending in the application.
- Of the above, claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1-11 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claims _____ are subject to restriction or election requirement.

Application Papers

- ☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
- ☒ received.
- ☐ received in Application No. (Series Code/Serial Number) _____.
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- ☒ Notice of References Cited, PTO-892
- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s) _____
- ☐ Interview Summary, PTO-413
- ☒ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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DETAILED ACTION

Drawings

1. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

Claim Rejections - 35 U.S.C. § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102 (b) as being unpatentable over patent # 6,115,020 ("Taguchi").

As for claims 1-7, Taguchi et al. teach a display device comprising: a display unit which displays an image (column 1, lines 19-29); memories which store information regarding control of said display unit (column 2, lines 9-24); an operation circuit unit which controls said display unit to display the image based on the information stored in said memories (column 14, lines 18-28); a data bus which connects said memories to an exterior of said display device, and supplies the information to said memories from the exterior of said display device (column 1, lines 50-67) and (column 2, lines 1-8); an address ADD (column 28, lines 47-58) corresponding to the address bus which connects said memories to the exterior of said display device, and supplies address signals

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for selecting one of said memories, a gate driver (column 12, lines 39-58), a data driver (column 1, lines 50-67) and (column 2, lines 1-8), a shift register (column 12, lines 39-58), a decoder (column 27, lines 21-36), an address counter (column 7, lines 39-46), memory store (column 11, lines 40-49), a data-synthesis circuit (Fig.41).

Claim Rejections - 35 U.S.C. § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 8-11 are rejected under 35 U.S.C. 103 (a) as being unpatentable over patent # 6,115,020 ("Taguchi et al.") in view of patent # 6,121,949 ("Ramamurthy et al.").

As for claims 8-11, Taguchi et al. teach a display device (column 1, lines 19-29) and a data bus and address bus, a thin film transistor (column 1, lines 7-18). Accordingly, Taguchi et al. teach all the claimed limitations as recited in claims 8-11 with the exception of providing a display-information acquisition circuit.

However, Ramamurthy et al. disclosed sensors 248 may be within the panel display 132 (Fig.4) and see (column 5, lines 1-35) corresponding to the display-information acquisition.

It would have been obvious to utilize a display-information acquisition as taught by Ramamurthy et al. in the liquid crystal display disclosed by Taguchi et al. because this would

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allow the display system to be manually or automatically modified such that the display image can be improved as operating conditions change.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean Lesperance whose telephone number is (703) 308-6413. The examiner can normally be reached on from Monday to Friday between 8:00AM and 4:30PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard HJerpe, can be reached on (703) 305-4709. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-6606.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Jean Lesperance

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Date 10-25-00



RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600